

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

**SUNDRY NOTICES AND REPORTS ON WELLS**

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

1. oil ☐ gas ☒ other ☐  
well well

2. NAME OF OPERATOR  
Tenneco Oil Company

3. ADDRESS OF OPERATOR  
720 S. Colo. Blvd., Denver, CO 80222

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)  
2100' FNL 500' FWL  
AT SURFACE:  
AT TOP PROD. INTERVAL:  
AT TOTAL DEPTH:

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:

TEST WATER SHUT-OFF ☐  
FRACTURE TREAT ☐  
SHOOT OR ACIDIZE ☐  
REPAIR WELL ☐  
PULL OR ALTER CASING ☐  
MULTIPLE COMPLETE ☐  
CHANGE ZONES ☒  
ABANDON\* ☐  
(other) ☐

SUBSEQUENT REPORT OF:

☐  
☐  
☐  
☐  
☐  
☐  
☐  
☐  
☐  
☐

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

9/9/80

Tenneco plans to recompleate Jicarilla A-9 to Mesaverde and/or 3 Chacra zones according to the procedure outlined on the attached forms.

Subsurface Safety Valve: Manu. and Type \_\_\_\_\_ Set @ \_\_\_\_\_ Ft.

18. I hereby certify that the foregoing is true and correct

SIGNED Carolyn Stottman TITLE Asst. Div. Admin. Manager DATE 9/11/80

(This space for Federal or State office use)

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_  
CONDITIONS OF APPROVAL, IF ANY:

\*See Instructions on Reverse Side

NMOCC

5. LEASE

6. IF INDIAN, ALLOTTEE OR TRIBE NAME  
Jicarilla Apache Tribal Cont. 110

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME  
Jicarilla "A"

9. WELL NO.  
9

10. FIELD OR WILDCAT NAME  
Gallup

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA

Sec. 20; T26N; R5W

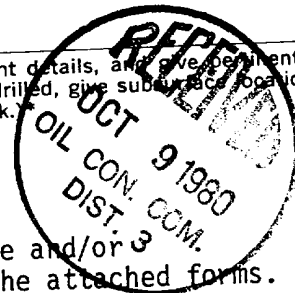
12. COUNTY OR PARISH

13. STATE  
New Mexico

Rio Arriba

14. API NO.

15. ELEVATIONS (SHOW DF, KDB, AND WD)  
6628' GR



APPROVED

OCT 8 1980  
JAMES F. SIMS  
DISTRICT OIL & GAS SUPERVISOR

LEASE Jicarilla "A"WELL NO. 9

8 5/8 "OD, 32 LB, K-55 CSG.W/ 225 SX  
TOC @ -

4 1/2 "OD, 10.5 LB, K-55 CSG.W/ 325/500 SX  
TOC @ 5707/?

## DETAILED PROCEDURE

- 1) Clean location. Dig pit. Install Blewey line. Blowdown well
- 2) MIRUSU. Remove wellhead. Install BOP.
- 3) Release Lok-set pkr @ 6562 & POOH w/tbg.
- 4) RIH w/Baker Model K cement retainer on 2 3/8" tbg. Set retainer @ -5600'.
- 5) Test tbg to 2000 psi. Squeeze Gallup w/150 sx neat G cement. Displace cement only to retainer if no squeeze is obtained.
- 6) Sting out of retainer. Reverse out any excess cementer. Circulate hole w/1% KCL water. Pull tbg to 5270'.
- 7) Test csg to 2500 psi. Spot 500 gal 7 1/2% DI HCL. POOH w/tbg.
- 8) Run GR-CCL-CBL from 5400' to 3400'. Check quality of bonding over proposed perforations.
- 9) Perforate Mesaverde w/3 1/8" csg gun using 2 jspf as follows:
 

5268-70	2'	5258-60	2'
5238-51	13'	5234-35	1'
5200-01	1'	5118-19	1'
5066-67	1'	Total 21', 42 holes	
- 10) Acidize w/1000 gal 15% HCL & 63 balls.
- 11) Round trip junk basket to 5300'.
- 12) Frac Mesaverde w/1% KCL water containing friction reducer and 20/40 sand as follows:
 

400 BW PAD		PPG 20/40 sand
150 BW @ 1/2		PPG 20/40 sand
150 BW @ 1		PPG 20/40 sand
150 BW @ 1 1/2		PPG 20/40 sand
400 BW @ 2		PPG 20/40 sand
80 BW flush		
Total Sand - 52,500#		
Total Water - 1,330 Barrels		
Desired Rate - 65 BPM		
- 13) RIH w/tbg, S/N & pump out plug. Check PBTD.
- 14) Land tbg @ - 5000'.
- 15) Kick well around w/nitrogen.
- 16) Flow to cleanup and test.
- 17) If Mesaverde is unproductive:
  - a. Kill w/water if necessary. POOH w/tbg.
  - b. RIH & set retainer @ 4800'.
  - c. Squeeze w/150 sx Class G cement. Sting out of retaine
  - d. Circulate hole w/2% KCL water.
  - e. POOH w/tbg. Fill hole. Pressure test to 3000 psi.
- If Mesaverde is productive:
  - a. Kill well w/2% KCL water. Check PBTD.
  - b. POOH w/tbg.
  - c. Set Model F pkr w/expendable plug @ - 4950'. Dump 1 sx sand.
  - d. Fill hole w/2% KCL water.
  - e. Pressure test to 3000 psi.

DV Tool  
@ 5707'

208 Jts  
2-3/8  
EUE +  
Lok-Set  
Pkr  
@ 6562'

Perf'd  
6710-6739  
w/1 SPF  
3-3/8"  
Hyperjet  
II

PBTD  
6798'

6843'

RECEIVED

SEP 11 1980

U. S. GEOLOGICAL SURVEY  
FARMINGTON, UTAH

- 18) Perforate Chacra w/3 1/8" csg gun using 2 jspf as follows:  
4004-14 10'  
3935-36 1'  
3923-27 4' Total 15', 30 holes.
- 19) RIH w/pkr & 2 3/8" tbq. Hang pkr @ 3975'.  
Spot 250 gal 15% HCL into annulus.
- 20) Breakdown & acidize perfs @ 3935-3923' down annulus.
- 21) Acidize perfs @ 4004-14 down tbq w/500 gal 15% HCL and 30 balls.
- 22) RIH to knock balls off perfs. POOH w/pkr.
- 23) Frac Chacra down csg w/70 quality foam and 20/40 sand as follows:  
20,000 gal PAD  
10,000 gal @ 1/2 PPG 20/40 sand  
10,000 gal @ 1 PPG 20/40 sand  
10,000 gal @ 1.5 PPG 20/40 sand  
25,000 gal @ 2 PPG 20/40 sand  
2,600 gal Flush  
Totals: 23,280 gal 2% KCL water  
80,000# 20/40 sand  
77,600 gal foam
- 24) Flow back well through 1/2" tapped bull plug after frac trucks leave location.
- 25) Kill well w/2% KCL water.
- 26) Land production string as directed.
- 27) Flow to clean up.
- 28) Shut-in for AOF.